

2 October 1963

STATINTL

Attention: []

Dear Jarvis:

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[] is pleased to submit a Phase II Work Statement and CPFF Cost Estimate for the design and fabrication of an Experimental Diffraction Viewer in accordance with the technical results achieved, and recommendations included, in its Final Engineering Report under []

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The Phase II Experimental Diffraction Viewer represents a fixed 24X magnification direct image viewing capability, and will accommodate either 100 foot spool lengths of 70mm or 5-inch roll film and 2½ inch square slides. Manual controls are provided to permit film and slide positioning for full format viewing operations. It is believed that through the development and subsequent evaluation and acceptance of this class of viewer by photo interpretation personnel, a technical breakthrough will have been achieved in the state of the art in high quality, high magnification viewer equipment.

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[] will be assisted in this technical effort by [], as a subcontractor, who will supply the high quality optics required and representative of this class of viewer. Due to the experimental nature of the viewer, maximum utilization of off-the-shelf optics has been stressed. However, as previously discussed with your technical representative, it is necessary to design and fabricate a new field lens for the specific application. This lens will be designed and built to cover a full 10 x 10 inch diffraction grating, although it is currently planned, due to cost considerations, to use an 8 x 8 inch crossed diffraction grating in the present experimental viewer.

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[] has included a brief description of several additional required studies it recommends the government consider in conjunction with any subsequent procurement. If requested, [] would be pleased to submit under separate cover a cost and schedule estimate for their completion as required.

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[] cost estimate for the design and fabrication of an Experimental 24X Diffraction Viewer is [] and is based upon the development of a horizontal viewer configuration

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DECLASS REVIEW by NIMA/DOD

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as shown in  Drawing 4001G1. This configuration possesses an optical configuration representative of an operational prototype viewer. With minor modifications, i.e. the addition of a more suitable film gate and mensuration capability, this viewer could be easily converted to an operational viewer at a later date.

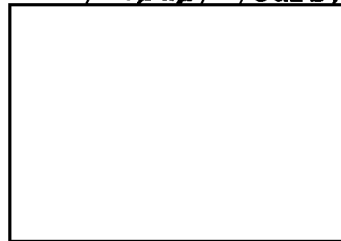
The fee is based upon the application of 4 per cent fee on subcontract items and 8 per cent fee on in-plant engineering, manufacturing and material costs as arrived at per Phase I contract negotiations.

No costs are included for the additional required studies as described in Section 4.0 of the associated Work Statement.

The delivery schedule for the Experimental Diffraction Viewer is twenty-four (24) weeks from receipt of an authorized go-ahead.

This estimate is valid for a period of sixty (60) days from date of this proposal and is subject to mutually agreeable terms and conditions.

Very truly yours,



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Enclosures (4)

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MEMORANDUM FOR:

MEMO FOR
CH, TDC

(DATE)

FORM NO. 101 REPLACES FORM 10-101
1 AUG 54 WHICH MAY BE USED.

(47)

No. 6049.01

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COST PROPOSAL

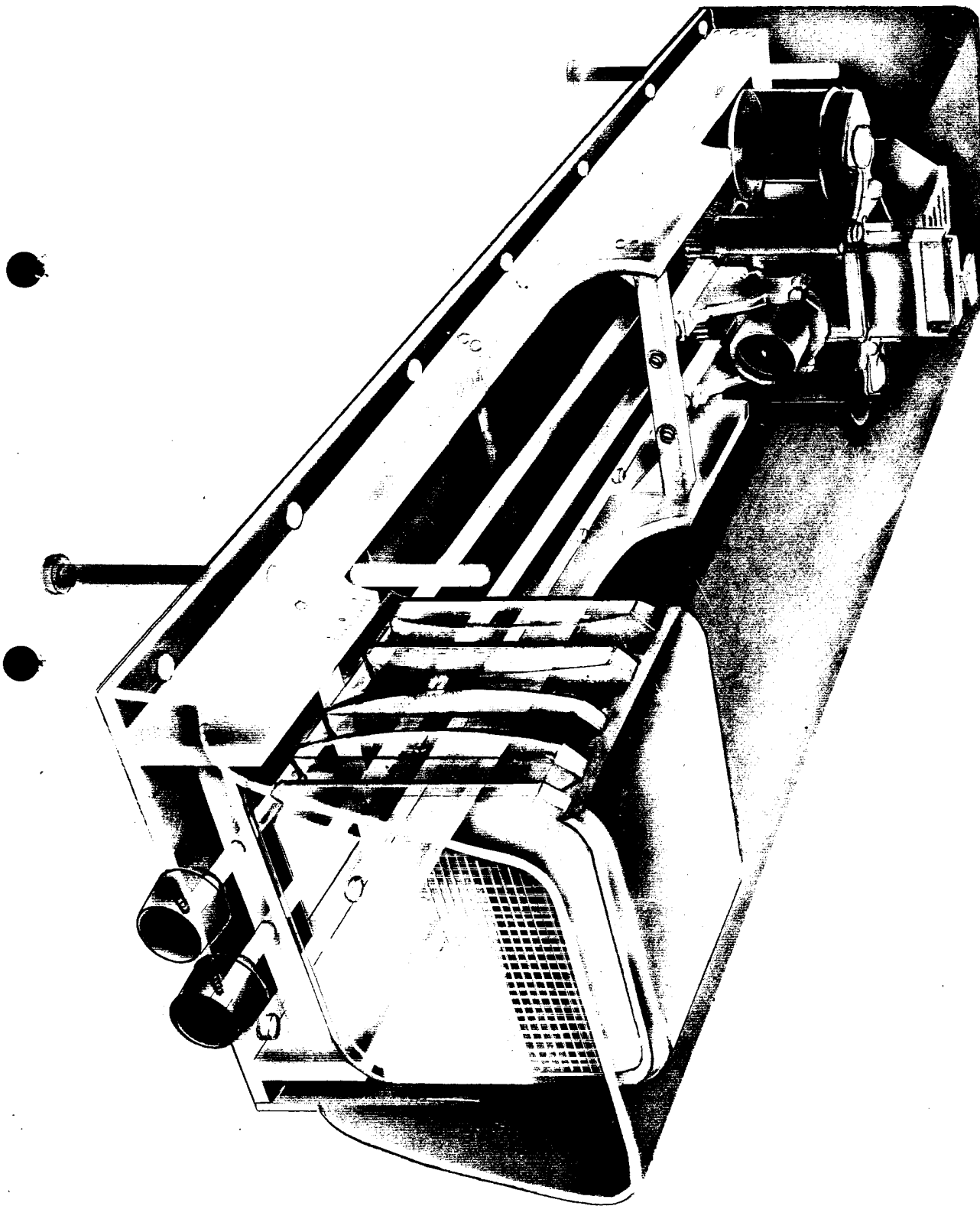
for

Experimental Diffraction Viewer

26 September 1963

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FEASIBILITY STUDY: Previous Contract